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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION REPORT

I. HEADING

DATE: February 15, 2002

SUBJECT: **POLREP for the Eagle Pitcher Residential Site, East St. Louis, St. Clair County, Illinois** 62201

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POLREP #: ~~POLREP #1/Initial~~ - Fund Lead Removal

Tim - critical

II. BACKGROUND

Response Authority:	CERCLA (# ILN000508196)	State Notification:	August 31, 2001
NPL Status:	Non-NPL	Start Date:	February 11, 2002
Latitude:	38°38'09"N	Completion Date:	NA
Longitude:	90°08'56"W		

III. SITE INFORMATION

A. Incident Category

Residential Removal

BBUC

## **B. Site Description**

### **1. Site location**

The Eagle Pitcher Residential site is located in East St. Louis, St. Clair County, Illinois. The site is part of a continuum of lead cleanups throughout the City of East St. Louis. The site includes three blocks of residential property located between Bowman Avenue to the northwest, and State Highway 3 to the southwest, 2<sup>nd</sup> Street to the northeast, and railroad tracks to the southeast. About 15 residences are located in the study area. Four schools and one hospital are located within 1 mile of the site.

The site is near the former Eagle Pitcher Lead facility and is believed to have closed in the mid 1970s. The residential properties are being investigated and cleaned up by the United States Environmental Protection Agency (U.S. EPA) Region 5. This work is being done in cooperation with the Illinois Department of Public Health (IDPH) and the Gateway Lead Initiative Collaborative.

### **2. Description of threat**

Lead was found widespread throughout the residential areas with most of the area above 1000 parts per million (ppm). There is actual or potential exposure to the human populations who live there and through the food chain (via gardens) from elevated levels of lead. There are elevated levels of lead in soils largely at or near the surface that may migrate or pose a threat of release.

### **3. Preliminary Assessment/Site Inspection Results**

On April 26, 2001, U.S. EPA On Scene Coordinator's (OSC) Mike Harris, Tom Cook, and Superfund Technical Assessment Response Team (START) members Keith Hughes from Project Resources Inc. (PR), Art Currier, Joe Parish, and Brian Schlieger from Tetra Tech (TT) conducted the site assessment. The START crew marked the residential areas for sampling at potentially sensitive areas using survey flags or marking paint. During the investigation, X-ray fluorescence (XRF) spectrometer readings (with 95 percent upper and lower confidence limits) were taken at each location. Numerous samples were marked and were submitted to a laboratory.

#### **IV. SITE INFORMATION**

##### **A. Situation**

###### **1. Response activities to date**

Work began on February 11, 2002 with the following:

- START member screen residential area with the X-ray fluorescence (XRF) spectrometer. Screening revealed areas found with soil lead levels above the U.S. EPA site specific residential action level of 400 mg/kg;
- Although the lead levels often exceed the site specific action level, the toxicity characteristic leaching procedure (TCLP) analysis from the site assessment was well below the regulatory level of 5 mg/L. Therefore, excavated soils hauled from the site are being considered low level lead contaminated soil;
- The areas excavated are screened with an XRF and areas found above residential cleanup and were marked for excavation;
- After residence owners signed an access agreement an XRF was used to screen the areas for EPA's site specific lead residential action level of 400 mg/kg;
- Before excavation began at a residence, the property and home was video documented to protect against any possible damage claims;

###### **2. Removal activities to date:**

- Access agreements have been signed;
- A total of 703.22 tons of low level lead contaminated soil was hauled from the site and residential properties;
- A total of 396 tons of clean backfill has been placed on site

###### **3. Enforcement:**

Enforcement/Cost recovery actions are pending.

##### **B. Planned Removal Activities**

- Transport low level lead contaminated soil off site for disposal.

**C. Next Steps**

- Secure access, excavate residential properties, and backfill excavated areas with clean fill.

**D. Key Issues**

- Securing access from residential home owners.
- Adverse weather conditions may delay future site activities.

**V. COSTS**

	<u>Cost to date</u>	<u>Ceiling</u>	<u>% Remaining</u>
ERRS	\$26,506	\$226,210	88.3%
START	\$2,655	\$15,765	83.2%
EPA	\$1,400	\$22,410	93.8%
<b>TOTAL</b>	<b>\$30,561</b>	<b>\$264,385</b>	<b>88.4%</b>

The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor. Other financial data, which the OSC must rely upon, may not be entirely up to date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

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**VI. DISPOSITION OF WASTES**

Wastestream	Medium	Quantity	Transportation	Treatment	Disposal
Lead	Soil	703.22 Tons	Truck	NA	Landfill